

ABSTRACT

The present invention provides a fuel cell which is small-sized and light-weight for mounting in a mobile device, and has a high output-density. A
5 current-collector 421 of a fuel electrode (or a current-collector 423 of an oxidizer electrode) is bonded to a substrate 104 (or a substrate 110) of a fuel electrode 102 (or an oxidizer electrode 108) in a fuel cell 100, rendering the current-collector 421 (or the current-collector 423) to be thin and light-weight, and making it no longer necessary to use an end plate and a fastener. Fuel or oxidizer is supplied
10 directly to a surface of the current-collector 421 or 423.